

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: 1/2/2003
 Edited by: [Signature]
 Verified by: [Signature] (STIC staff)

Serial Number: 10/088,771

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form. 3/1/95



PCT10

RAW SEQUENCE LISTING

DATE: 01/02/2003

PATENT APPLICATION: US/10/088,771

TIME: 17:37:55

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01022003\J088771.raw

```

2 <110> APPLICANT: KATO, Kaneyoshi
3   TERAUCHI, Jun
4   MORI, Masaaki
5   SUZUKI, Nobuhiro
6   SHIMOMURA, Yukio
7   TAKEKAWA, Shiro
8   ISHIHARA, Yuji
10 <120> TITLE OF INVENTION: Melanin Concentrating Hormone Antagonist
12 <130> FILE REFERENCE: 2648USOP
14 <140> CURRENT APPLICATION NUMBER: 10/088,771
15 <141> CURRENT FILING DATE: 2002-03-19
17 <150> PRIOR APPLICATION NUMBER: PCT/JP00/06375
18 <151> PRIOR FILING DATE: 2000-09-19
19 <150> PRIOR APPLICATION NUMBER: JP 11-266298
20 <151> PRIOR FILING DATE: 1999-09-20
21 <150> PRIOR APPLICATION NUMBER: JP 11-357889
22 <151> PRIOR FILING DATE: 1999-12-16
23 <150> PRIOR APPLICATION NUMBER: JP 2000-126272
24 <151> PRIOR FILING DATE: 2000-04-20
26 <160> NUMBER OF SEQ ID NOS: 16
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 32
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial Sequence
W--> 32 <220> FEATURE:
33 <223> OTHER INFORMATION: primer
35 <400> SEQUENCE: 1
36 gtcgacatgg atctgcaaac ctcgttgctg tg 32
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 32
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
W--> 42 <220> FEATURE:
43 <223> OTHER INFORMATION: primer
45 <400> SEQUENCE: 2
46 actagttcag gtgcctttgc tttctgtcct ct 32
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 353
50 <212> TYPE: PRT
51 <213> ORGANISM: Rat
53 <400> SEQUENCE: 3
54 Met Asp`Leu Gln Thr Ser Leu Leu Ser Thr Gly Pro Asn Ala Ser Asn
55 1          5          10          15

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56 Ile Ser Asp Gly Gln Asp Asn Leu Thr Leu Pro Gly Ser Pro Pro Arg
57      20      25      30
58 Thr Gly Ser Val Ser Tyr Ile Asn Ile Ile Met Pro Ser Val Phe Gly
59      35      40      45
60 Thr Ile Cys Leu Leu Gly Ile Val Gly Asn Ser Thr Val Ile Phe Ala
61      50      55      60
62 Val Val Lys Lys Ser Lys Leu His Trp Cys Ser Asn Val Pro Asp Ile
63 65      70      75      80
64 Phe Ile Ile Asn Leu Ser Val Val Asp Leu Leu Phe Leu Leu Gly Met
65      85      90      95
66 Pro Phe Met Ile His Gln Leu Met Gly Asn Gly Val Trp His Phe Gly
67      100     105     110
68 Glu Thr Met Cys Thr Leu Ile Thr Ala Met Asp Ala Asn Ser Gln Phe
69      115     120     125
70 Thr Ser Thr Tyr Ile Leu Thr Ala Met Thr Ile Asp Arg Tyr Leu Ala
71      130     135     140
72 Thr Val His Pro Ile Ser Ser Thr Lys Phe Arg Lys Pro Ser Met Ala
73 145      150      155      160
74 Thr Leu Val Ile Cys Leu Leu Trp Ala Leu Ser Phe Ile Ser Ile Thr
75      165     170     175
76 Pro Val Trp Leu Tyr Ala Arg Leu Ile Pro Phe Pro Gly Gly Ala Val
77      180     185     190
78 Gly Cys Gly Ile Arg Leu Pro Asn Pro Asp Thr Asp Leu Tyr Trp Phe
79      195     200     205
80 Thr Leu Tyr Gln Phe Phe Leu Ala Phe Ala Leu Pro Phe Val Val Ile
81      210     215     220
82 Thr Ala Ala Tyr Val Lys Ile Leu Gln Arg Met Thr Ser Ser Val Ala
83 225      230      235      240
84 Pro Ala Ser Gln Arg Ser Ile Arg Leu Arg Thr Lys Arg Val Thr Arg
85      245     250     255
86 Thr Ala Ile Ala Ile Cys Leu Val Phe Phe Val Cys Trp Ala Pro Tyr
87      260     265     270
88 Tyr Val Leu Gln Leu Thr Gln Leu Ser Ile Ser Arg Pro Thr Leu Thr
89      275     280     285
90 Phe Val Tyr Leu Tyr Asn Ala Ala Ile Ser Leu Gly Tyr Ala Asn Ser
91      290     295     300
92 Cys Leu Asn Pro Phe Val Tyr Ile Val Leu Cys Glu Thr Phe Arg Lys
93 305      310      315      320
94 Arg Leu Val Leu Ser Val Lys Pro Ala Ala Gln Gly Gln Leu Arg Thr
95      325     330     335
96 Val Ser Asn Ala Gln Thr Ala Asp Glu Glu Arg Thr Glu Ser Lys Gly
97      340     345     350
98 Thr
99 353
101 <210> SEQ ID NO: 4
102 <211> LENGTH: 1074
103 <212> TYPE: DNA
104 <213> ORGANISM: Rat
106 <400> SEQUENCE: 4

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Output Set: N:\CRF4\01022003\J088771.raw

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107 gtcgacatgg atctgcaaac ctcgttctg tccactggcc ccaatgccag caacatctcc 60
108 gatggccagg ataatctcac attgccggg tcacctctc gcacaggag tgtctcctac 120
109 atcaacatca ttatgccttc cgtgtttggt accatctgtc tcctgggcat cgtgggaaac 180
110 tccacggtca tctttgctgt ggtgaagaag tccaagctac actggtgcag caacgtcccc 240
111 gacatcttca tcatcaacct ctctgtggtg gatctgctct tcctgctggg catgcctttc 300
112 atgatccacc agctcatggg gaacggcgtc tggcactttg gggaaacat gtgcaccctc 360
113 atcacagcca tggacgcaa cagtcagttc actagcacct acatcctgac tgccatgacc 420
114 attgaccgct acttggccac cgtccacccc atctcctcca ccaagtccg gaagccctcc 480
115 atggccaccc tggatgatctg cctcctgtgg gcgctctcct tcatcagtat caccctgtg 540
116 tggctctacg ccaggctcat tcccttccca gggggtgctg tgggctgtgg catccgcctg 600
117 ccaaaccgga acactgacct ctactggttc actctgtacc agtttttctt gccctttgcc 660
118 cttccgtttg tggtcattac cgccgcatac gtgaaaatac tacagcgcat gacgtcttcg 720
119 gtggccccag cctcccaacg cagcatccgg cttcggaaca agagggtgac ccgcacggcc 780
120 attgccatct gtctggctctt ctttgtgtgc tgggcaccct actatgtgct gcagctgacc 840
121 cagctgtcca tcagccgccc gaccctcacg tttgtctact tgtacaacgc ggccatcagc 900
122 ttgggctatg ctaacagctg cctgaacccc tttgtgtaca tagtgctctg tgagaccttt 960
123 cgaaaacgct tgggtgtgtc agtgaagcct gcagccagg ggcagctccg cacggtcagc 1020
124 aacgctcaga cagctgatga ggagaggaca gaaagcaaag gcacctgaac tagt 1074

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126 <210> SEQ ID NO: 5

127 <211> LENGTH: 262

128 <212> TYPE: RNA

129 <213> ORGANISM: Rat

131 <400> SEQUENCE: 5

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132 gcgaauuggg uaccgggccc cccucgagg ucgacggauu cgauaagcuu gauaucgaau 60
133 uccugcagcc cggggggauc gccacuagu ucaggugccu uugcuuucug uccucuccuc 120
134 aucagcuguc ugagcguugc ugaccgugcg gagcugcccc ugggcugcag gcuucacuga 180
135 caacaccaag cguuuucgaa aggucucaca gaggacuaug uacacaaagg gguucaggca 240
136 gcuguuagca uagcccaagc ug 262

```

138 <210> SEQ ID NO: 6

139 <211> LENGTH: 18

140 <212> TYPE: DNA

141 <213> ORGANISM: Artificial Sequence

W--> 142 <220> FEATURE:

143 <223> OTHER INFORMATION: primer

145 <400> SEQUENCE: 6

146 caacagctgc ctcaaccc 18

148 <210> SEQ ID NO: 7

149 <211> LENGTH: 18

150 <212> TYPE: DNA

151 <213> ORGANISM: Artificial Sequence

W--> 152 <220> FEATURE:

153 <223> OTHER INFORMATION: primer

155 <400> SEQUENCE: 7

156 cctggtgatc tgcctcct 18

158 <210> SEQ ID NO: 8

159 <211> LENGTH: 1275

160 <212> TYPE: DNA

161 <213> ORGANISM: Human

163 <400> SEQUENCE: 8

RAW SEQUENCE LISTING

DATE: 01/02/2003

PATENT APPLICATION: US/10/088,771

TIME: 17:37:55

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01022003\J088771.raw

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164 taggtgatgt cagtgggagc catgaagaag ggagtgggga gggcagttgg gcttggaggc 60
165 ggcagcggct gccaggctac ggaggaagac ccccttccca actgcggggc ttgcgctccg 120
166 ggacaagggtg gcaggcgctg gaggctgccg cagcctgcgt ggggtggaggg gagctcagct 180
167 cggttggtggg agcaggcgac cggcactggc tggatggacc tggaaagcctc gctgctgccc 240
168 actgggtccca acgcccagcaa cacctctgat ggccccgata acctcacttc ggcaggatca 300
169 cctcctcgca cggggagcat ctctacatc aacatcatca tgccttcggt gttcggcacc 360
170 atctgcctcc tgggcatcat cgggaactcc acggtcatct tcgcggtcgt gaagaagtcc 420
171 aagctgcact ggtgcaacaa cgtccccgac atcttcatca tcaacctctc ggtagtagat 480
172 ctctcttttc tcctgggcat gcccttcatt atccaccagc tcatgggcaa tgggggtgtgg 540
173 cactttgggg agaccatgtg caccctcatc acggccatgg atgccaatag tcagttcacc 600
174 agcacctaca tcctgaccgc catggccatt gaccgctacc tggccactgt ccaccccatc 660
175 tcttccacga agttccggaa gccctctgtg gccaccctgg tgatctgcct cctgtggggc 720
176 ctctccttca tcagcatcac ccctgtgtgg ctgtatgcca gactcatccc cttcccagga 780
177 ggtgcagtgg gctgcggcat acgctgccc aaccagaca ctgacctta ctggttcacc 840
178 ctgtaccagt ttttctggtg ctttgccttg cttttgtgg tcatcacagc cgcatacgtg 900
179 aggatcctgc agcgcagac gtcctcagtg gccccgcct cccagcgcag catccggctg 960
180 cggacaaaga gggtgacccg cacagccatc gccatctgtc tgggtcttctt tgtgtgctgg 1020
181 gcaccctact atgtgctaca gctgaccagc ttgtccatca gccgcccagc cctcaccttt 1080
182 gtctacttat acaatgcggc catcagcttg ggctatgcca acagctgcct caaccccttt 1140
183 gtgtacatcg tgctctgtga gacgttccgc aaacgcttgg tcctgtcggg gaagcctgca 1200
184 gccagggggc agcttcgcgc tgtcagcaac gctcagacgg ctgacgagga gaggacagaa 1260
185 agcaaaggca cctga 1275

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188 <210> SEQ ID NO: 9

189 <211> LENGTH: 422

190 <212> TYPE: PRT

191 <213> ORGANISM: Human

193 <400> SEQUENCE: 9

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194 MeT Ser Val Gly Ala MeT Lys Lys Gly Val Gly Arg Ala Val Gly Leu
195 1 5 10 15
196 Gly Gly Gly Ser Gly Cys Gln Ala Thr Glu Glu Asp Pro Leu Pro Asn
197 20 25 30
198 Cys Gly Ala Cys Ala Pro Gly Gln Gly Gly Arg Arg Trp Arg Leu Pro
199 35 40 45
200 Gln Pro Ala Trp Val Glu Gly Ser Ser Ala Arg Leu Trp Glu Gln Ala
201 50 55 60
202 Thr Gly Thr Gly Trp MeT Asp Leu Glu Ala Ser Leu Leu Pro Thr Gly
203 65 70 75 80
204 Pro Asn Ala Ser Asn Thr Ser Asp Gly Pro Asp Asn Leu Thr Ser Ala
205 85 90 95
206 Gly Ser Pro Pro Arg Thr Gly Ser Ile Ser Tyr Ile Asn Ile Ile MeT
207 100 105 110
208 Pro Ser Val Phe Gly Thr Ile Cys Leu Leu Gly Ile Ile Gly Asn Ser
209 115 120 125
210 Thr Val Ile Phe Ala Val Val Lys Lys Ser Lys Leu His Trp Cys Asn
211 130 135 140
212 Asn Val Pro Asp Ile Phe Ile Ile Asn Leu Ser Val Val Asp Leu Leu
213 145 150 155 160
214 Phe Leu Leu Gly MeT Pro Phe MeT Ile His Gln Leu MeT Gly Asn Gly
215 165 170 175

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216 Val Trp His Phe Gly Glu Thr MeT Cys Thr Leu Ile Thr Ala MeT Asp
217          180          185          190
218 Ala Asn Ser Gln Phe Thr Ser Thr Tyr Ile Leu Thr Ala MeT Ala Ile
219          195          200          205
220 Asp Arg Tyr Leu Ala Thr Val His Pro Ile Ser Ser Thr Lys Phe Arg
221          210          215          220
222 Lys Pro Ser Val Ala Thr Leu Val Ile Cys Leu Leu Trp Ala Leu Ser
223          225          230          235          240
224 Phe Ile Ser Ile Thr Pro Val Trp Leu Tyr Ala Arg Leu Ile Pro Phe
225          245          250          255
226 Pro Gly Gly Ala Val Gly Cys Gly Ile Arg Leu Pro Asn Pro Asp Thr
227          260          265          270
228 Asp Leu Tyr Trp Phe Thr Leu Tyr Gln Phe Phe Leu Ala Phe Ala Leu
229          275          280          285
230 Pro Phe Val Val Ile Thr Ala Ala Tyr Val Arg Ile Leu Gln Arg MeT
231          290          295          300
232 Thr Ser Ser Val Ala Pro Ala Ser Gln Arg Ser Ile Arg Leu Arg Thr
233          305          310          315          320
234 Lys Arg Val Thr Arg Thr Ala Ile Ala Ile Cys Leu Val Phe Phe Val
235          325          330          335
236 Cys Trp Ala Pro Tyr Tyr Val Leu Gln Leu Thr Gln Leu Ser Ile Ser
237          340          345          350
238 Arg Pro Thr Leu Thr Phe Val Tyr Leu Tyr Asn Ala Ala Ile Ser Leu
239          355          360          365
240 Gly Tyr Ala Asn Ser Cys Leu Asn Pro Phe Val Tyr Ile Val Leu Cys
241          370          375          380
242 Glu Thr Phe Arg Lys Arg Leu Val Leu Ser Val Lys Pro Ala Ala Gln
243          385          390          395          400
244 Gly Gln Leu Arg Ala Val Ser Asn Ala Gln Thr Ala Asp Glu Glu Arg
245          405          410          415
246 Thr Glu Ser Lys Gly Thr
247          420

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249 <210> SEQ ID NO: 10

250 <211> LENGTH: 31

251 <212> TYPE: DNA

252 <213> ORGANISM: Artificial Sequence

W--> 253 <220> FEATURE:

254 <223> OTHER INFORMATION: primer

256 <400> SEQUENCE: 10

257 gtcgacatgg acctggaagc ctcgctgctg c 31

259 <210> SEQ ID NO: 11

260 <211> LENGTH: 31

261 <212> TYPE: DNA

262 <213> ORGANISM: Artificial Sequence

W--> 263 <220> FEATURE:

264 <223> OTHER INFORMATION: primer

266 <400> SEQUENCE: 11

267 actagttcag gtgcctttgc tttctgtcct c 31

269 <210> SEQ ID NO: 12

VERIFICATION SUMMARY

DATE: 01/02/2003

PATENT APPLICATION: US/10/088,771

TIME: 17:37:56

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01022003\J088771.raw

L:32 M:283 W: Missing Blank Line separator, <220> field identifier
L:42 M:283 W: Missing Blank Line separator, <220> field identifier
L:142 M:283 W: Missing Blank Line separator, <220> field identifier
L:152 M:283 W: Missing Blank Line separator, <220> field identifier
L:253 M:283 W: Missing Blank Line separator, <220> field identifier
L:263 M:283 W: Missing Blank Line separator, <220> field identifier
L:273 M:283 W: Missing Blank Line separator, <220> field identifier
L:275 M:283 W: Missing Blank Line separator, <400> field identifier
L:282 M:283 W: Missing Blank Line separator, <220> field identifier